INDEX TO VOLUME 54

de Acosta, Alejandro. *Quadratic zero-one laws for Gaussian measures and the distribution of quadratic forms*, 319
Altshuler, A. *A peculiar triangulation of the 3-sphere*, 449
Anshel, Michael. *Conjugate powers in HNN groups*, 19
Aschbacher, Michael. *A homomorphism theorem for finite graphs*, 468
Bankston, Paul. *Clopen sets in hyperspaces*, 298
Berrick, A. J. *Axial maps with further structure*, 413
Blair, Robert L. *Extensions of continuous functions from dense subspaces*, 355
Bloom, Steven. *A characterization of B-slowly varying functions*, 243
Bogart, K. P. and Longyear, J. Q. *Counting 3 by n Latin rectangles*, 463
Brualdi, R. A. and Csima, J. *On the plane term rank of a three dimensional matrix*, 471
Byers, W. *Isometry groups of manifolds of negative curvature*, 281
Caffarelli, L. A. *Certain multiple valued harmonic function*, 90
Cahn, Robert S. *The asymptotic expansion of the zeta-function of a compact semisimple Lie group*, 459
Chandler, J. D., Jr. *Extensions of monotone operator functions*, 221
Chui, C. K., Rozema, E. R., Smith, P. W. and Ward, J. D. *Simultaneous spline approximation and interpolation preserving norms*, 98
Connors, Edward A. *The automorphisms of $O_4^+(V)$ in the anisotropic case*, 16
Csima, J. See Brualdi, R. A.
Currier, A. W. *Fixed points of automorphisms*, 391
Deo, S. G. See Dhongade, U. D.
Dhongade, U. D. and Deo, S. G. *On nonlinear generalization of Bihari's inequality*, 211
Ditzian, Z. *Inverse theorems for functions in L_p and other spaces*, 80
Dobbs, David E. and Papick, Ira J. *On going-down for simple overrings. III*, 35
Dodziuk, Józef. *A remark on Whitney's proof of de Rham's theorem*, 360
Donaldson, James A. and Goldstein, Jerome A. *Some remarks on uniqueness for a class of singular abstract Cauchy problems*, 149
Dressler, Robert E. and Shult, Ernest E. *A simple proof of the Zolotareff-Frobenius Theorem*, 53
Eakin, Paul. *On Arnold's formula for the dimension of a polynomial ring*, 11
Ekman, Kenneth E. *Unitaries and partial isometries in a real W^*-algebra*, 138
Fook, Leong. *The devil and the angel of loops*, 32
Freed, Benjamin M. *Embedding contractible 2-complexes in E^4*, 423
Friedman, Harvey. *Recursiveness in Π_1^1 paths through 0*, 311
Fuller, Kent R. *On rings whose left modules are direct sums of finitely generated modules*, 39
Garrett, John W. and Stanojević, Časlav V. *On L^1 convergence of certain cosine sums*, 101
Geroch, Robert. *Positive sectional curvatures does not imply positive Gauss-Bonnett integrand*, 267
Goldberg, Samuel I. *Curvature groups of a hypersurface*, 271
Goldstein, Jerome A. See Donaldson, James A.
Goldstein, Richard and Turner, Edward C. *Application of intersection theory*, 389
Goodson, Geoffrey R. *Induced automorphisms and simple approximations*, 141
Gootman, Elliott C. *Weak containment and weak Frobenius reciprocity*, 417
Graham, Colin C. *Idempotent maximal ideals and independent sets*, 133
Granirer, Edmond E. *A characterisation of discreteness for locally compact groups in terms of the Banach algebra $A_p(G)$*, 189
Greenberg, B. V. and Vasconcelos, W. V. *Coherence of polynomial rings*, 59
Grove, Karsten. *Center of mass and G-local triviality of G-bundles*, 352
Gruenhage, Gary. *Large basis dimension and metrizability*, 397
Hallenbeck, David J. and Livingston, Albert E. *A coefficient estimate for multivalent functions*, 201
Heisey, Richard E. *A factorization of the direct limit of Hilbert cubes*, 255
Hill, R. O., Jr. *A geometric interpretation of a classical group cohomology obstruction*, 405
Holland, Charles J. *On a formula in diffusion processes in population genetics*, 316
Horowitz, David. *A refinement for coefficient estimates of univalent functions*, 176
Howe, Roger and Silberger, Allan. *Any unitary principal series representation of GL_n over a p-adic field is irreducible*, 376
Hung, H. H. *Some metrization theorems*, 363
Juhász, I. *On Neumer's theorem*, 453
Kakié, Kunio. *The resultant of several homogeneous polynomials in two indeterminates*, 1
Kallman, Robert R. *A uniqueness result for topological groups*, 439
Kellum, Kenneth R. *An almost continuous function $f\colon S^n \to S^m$ which commutes with the antipodal map*, 431
Kempf, George R. *Some vector bundles on Jacobian varieties*, 179
Kempf, George. *A property of the periods of a Prym differential*, 181
Kon, Masahiro. See Yamaguchi, Selichi.

INDEX TO VOLUME 54

de Acosta, Alejandro. *Quadratic zero-one laws for Gaussian measures and the distribution of quadratic forms*, 319
Altshuler, A. *A peculiar triangulation of the 3-sphere*, 449
Anshel, Michael. *Conjugate powers in HNN groups*, 19
Aschbacher, Michael. *A homomorphism theorem for finite graphs*, 468
Bankston, Paul. *Clopen sets in hyperspaces*, 298
Berrick, A. J. *Axial maps with further structure*, 413
Blair, Robert L. *Extensions of continuous functions from dense subspaces*, 355
Bloom, Steven. *A characterization of B-slowly varying functions*, 243
Bogart, K. P. and Longyear, J. Q. *Counting 3 by n Latin rectangles*, 463
Brualdi, R. A. and Csima, J. *On the plane term rank of a three dimensional matrix*, 471
Byers, W. *Isometry groups of manifolds of negative curvature*, 281
Caffarelli, L. A. *Certain multiple valued harmonic function*, 90
Cahn, Robert S. *The asymptotic expansion of the zeta-function of a compact semisimple Lie group*, 459
Chandler, J. D., Jr. *Extensions of monotone operator functions*, 221
Chui, C. K., Rozema, E. R., Smith, P. W. and Ward, J. D. *Simultaneous spline approximation and interpolation preserving norms*, 98
Connors, Edward A. *The automorphisms of $O_4^+(V)$ in the anisotropic case*, 16
Csima, J. See Brualdi, R. A.
Currier, A. W. *Fixed points of automorphisms*, 391
Deo, S. G. See Dhongade, U. D.
Dhongade, U. D. and Deo, S. G. *On nonlinear generalization of Bihari's inequality*, 211
Ditzian, Z. *Inverse theorems for functions in L_p and other spaces*, 80
Dobbs, David E. and Papick, Ira J. *On going-down for simple overrings. III*, 35
Dodziuk, Józef. *A remark on Whitney's proof of de Rham's theorem*, 360
Donaldson, James A. and Goldstein, Jerome A. *Some remarks on uniqueness for a class of singular abstract Cauchy problems*, 149
Dressler, Robert E. and Shult, Ernest E. *A simple proof of the Zolotareff-Frobenius Theorem*, 53
Eakin, Paul. *On Arnold's formula for the dimension of a polynomial ring*, 11
Ekman, Kenneth E. *Unitaries and partial isometries in a real W^*-algebra*, 138
Fook, Leong. *The devil and the angel of loops*, 32
Freed, Benjamin M. *Embedding contractible 2-complexes in E^4*, 423
Friedman, Harvey. *Recursiveness in Π_1^1 paths through 0*, 311
Fuller, Kent R. *On rings whose left modules are direct sums of finitely generated modules*, 39
Garrett, John W. and Stanojević, Časlav V. *On L^1 convergence of certain cosine sums*, 101
Geroch, Robert. *Positive sectional curvatures does not imply positive Gauss-Bonnett integrand*, 267
Goldberg, Samuel I. *Curvature groups of a hypersurface*, 271
Goldstein, Jerome A. See Donaldson, James A.
Goldstein, Richard and Turner, Edward C. *Application of intersection theory*, 389
Goodson, Geoffrey R. *Induced automorphisms and simple approximations*, 141
Gootman, Elliott C. *Weak containment and weak Frobenius reciprocity*, 417
Graham, Colin C. *Idempotent maximal ideals and independent sets*, 133
Granirer, Edmond E. *A characterisation of discreteness for locally compact groups in terms of the Banach algebra $A_p(G)$*, 189
Greenberg, B. V. and Vasconcelos, W. V. *Coherence of polynomial rings*, 59
Grove, Karsten. *Center of mass and G-local triviality of G-bundles*, 352
Gruenhage, Gary. *Large basis dimension and metrizability*, 397
Hallenbeck, David J. and Livingston, Albert E. *A coefficient estimate for multivalent functions*, 201
Heisey, Richard E. *A factorization of the direct limit of Hilbert cubes*, 255
Hill, R. O., Jr. *A geometric interpretation of a classical group cohomology obstruction*, 405
Holland, Charles J. *On a formula in diffusion processes in population genetics*, 316
Horowitz, David. *A refinement for coefficient estimates of univalent functions*, 176
Howe, Roger and Silberger, Allan. *Any unitary principal series representation of GL_n over a p-adic field is irreducible*, 376
Hung, H. H. *Some metrization theorems*, 363
Juhász, I. *On Neumer's theorem*, 453
Kakié, Kunio. *The resultant of several homogeneous polynomials in two indeterminates*, 1
Kallman, Robert R. *A uniqueness result for topological groups*, 439
Kellum, Kenneth R. *An almost continuous function $f\colon S^n \to S^m$ which commutes with the antipodal map*, 431
Kempf, George R. *Some vector bundles on Jacobian varieties*, 179
Kempf, George. *A property of the periods of a Prym differential*, 181
Kon, Masahiro. See Yamaguchi, Selichi.

Lacey, E. and Wojtaszczyk P. *Banach lattice structures on separable L_p spaces*, 83
Lady, E. L. *Completely decomposable flat modules over locally factorial domains*, 27
Lam, T. Y. *A refinement of Green's theorem on the defect group of a p-block*, 45
Lau, Anthony To-Ming. *Semigroup of operators on dual Banach spaces*, 393
Leeman, George B., Jr. *A new proof for an inequality of Jenkins*, 114
Levine, Norman, *On compactness and sequential compactness*, 401
Lin, T. F. *A Markov process which gives rise to a semigroup of expansive operators*, 337
Livingston, Albert E. See Hallenbeck, David J.
Longyear, J. Q. See Bogart, K. P.
McGrath, S. A. *An abelian ergodic theorem for semigroups in L_p*, 231
Magid, Andy R. *Projective extensions of Banach algebras*, 154
Mandelker, Mark. *Connectivity of an interval*, 170
Martin, John C. *Generalized Morse sequences on n symbols*, 379
Matijevic, Jacob R. *Maximal ideal transforms of Noetherian rings*, 49
Mauldin, R. Daniel. *Countably generated families*, 291
Miller, Maurice Hugh, Jr. *Equivalence of certain discontinuous functions under closure*, 384
Miyahara, Yasushi. See Yamaguchi, Seiichi.
Muhly, Paul S. *A note on commutators and singular integrals*, 117
Nadel, Mark. *On models $\equiv_{\omega\omega}$ to an uncountable model*, 307
Nakao, Zensho *Submanifolds of a Riemannian manifold with semisymmetric metric connections*, 261
Oberlin, Daniel M. *p-Helson sets*, 173
O'Malley, Richard J. *The set where an approximate derivative is a derivative*, 122
Papick, Ira J. See Dobbs, David E.
Peitgen, H. O. *On the Lefschetz number for iterates of continuous mappings*, 441
Penney, R. *Decomposition of C^∞* intertwining operators for Lie groups, 368
Pietz, Kenneth. *A geometric property of certain plane sets*, 197
Plachky, Detlef. *Extremal and monogenic additive set functions*, 193
Preskenis, Kenneth John. *Another view of the Weierstrass theorem*, 109
Prikry, Karel. *Determinateness and partitions*, 303
Pu, H. H. See Pu, H. W.
Pu, H. W. and Pu, H. H. *On upper gauge density*, 185
Pujara, Lakhpat R. *A uniformly convex Banach space with a Schauder basis which is subsymmetric but not symmetric*, 207
Rajagopalan, M. *Sequential order and spaces S_n*, 433
Reddy, A. R. *Rational Chebyshev approximation to certain entire functions of zero order on the positive real axis.* II, 251
Richman, Fred and Walker, Elbert A. *Homological dimension of abelian groups over their endomorphism rings*, 65
Rosset, Shmuel. *A property of groups of nonexponential growth*, 24
Rozema, E. R. See Chui, C. K.
Rubel, L. A. *Harmonic analysis of harmonic functions in the plane*, 146
Sanchez, Christian U. *Actions of groups of odd order on compact, orientable manifolds*, 445
Sanders, Robert W. *The starlike radius for classes of regular bounded functions*, 217
Schiff, J. L. *On the behavior of meromorphic functions at the ideal boundary of a Riemann surface*, 130
Segal, David M. *Some applications of Landweber-Novikov operations*, 342
Shorack, Galen R. and Smythe, R. T. *Inequalities for* $\max|S_k|/b_k$ *where* $k \in N^r$, 331
Shult, Ernest E. See Dressler, Robert E.
Silberger, Allan. See Howe, Roger.
Simha, R. R. *Holomorphic mappings between balls and polydiscs*, 241
Singer, Michael F. *Solutions of linear differential equations in function fields of one variable*, 69
Smith, P. W. See Chui, C. K.
Smythe, R. T. See Shorack, Galen R.
Stanek, Jean Chan. *Tietze-type theorems on monotone increasing sets*, 286
Stanojević, Časlav V. See Garrett, John W.
Stebe, Peter F. *Residual solvability of an equation in nilpotent groups*, 57
Suguri, Tsuneo. *A remark on derivations and skew-derivations on $\mathcal{D}(M)$*, 403
Sullivan, Wayne G. *Processes with infinitely many jumping particles*, 326
Tanaka, Yoshio. *Products of sequential spaces*, 371
Tewari, U. B. *Multipliers of Segal algebras*, 157
Thomson, James E. *The commutants of certain analytic Toeplitz operations*, 165
Turner, Edward C. See Goldstein, Richard.
Vasconcelos, W. V. See Greenberg, B. V.
Walker, Elbert A. See Richman, Fred
Walker, W. J. *Bounds for solutions to ordinary differential equations applied to a singular Cauchy problem*, 73
Ward, J. D. See Chui, C. K.

Webb, G. F. *Asymptotic stability for abstract nonlinear functional differential equations*, 225
Wehrhahn, Karl H. *A theorem on nilpotent groups with restricted embeddings*, 55
Weiss, Laura. *The Fundamental Theorem of Algebra on rational H-spaces*, 455
Wichmann, Josef. *On the symmetry of matrix algebras*, 237
Williams, J. P. *Diagonalizable normal operators*, 106
Wojtaszczyk, P. See Lacey, E.
Wong, Chi Song. *Approximation to fixed points of generalized nonexpansive mappings*, 93
Yamaguchi, Seiichi, Kon-Masahiro and Miyahara, Yasushi. *A theorem on C-totally real minimal surface*, 276
Yoshimoto, Takeshi. *An ergodic theorem for noncommutative operators*, 125
Zarrow, Robert. *Anticonformal automorphisms of compact Riemann surfaces*, 162
Zee, Yun-Cheng. *Some sufficient conditions for quintic residuacity*, 8
Zerling, David. *(CA) topological groups*, 345